IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

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Anthony Mark Pasqualoni, Deepak Mahulikar,

Larry A. LaFollette and Richard J. Jenkins

Serial No.:

Not Yet Assigned

Filed:

Not Yet Assigned

For:

A CHEMICAL MECHANICAL POLISHING SLURRY COMPOSITION FOR POLISHING CONDUCTIVE AND NON-CONDUCTIVE LAYERS ON SEMICONDUCTOR

WAFERS

Art Unit:

Not Yet Assigned

Examiner:

Not Yet Assigned

Confirmation No.:

Not Yet Assigned

Customer No.:

27,623

Attorney Docket No.:

341.6910USQ

Mail Stop DD Commissioner for Patents P.O. Box 1450 Alexandria, VA 22313-1450

INFORMATION DISCLOSURE STATEMENT

Dear Sir:

In accordance with applicant's duty of disclosure under 37 C.F.R. §1.56, please find attached hereto form PTO-1449 listing information which may be material to the patentability of this application, filed concurrently herewith. This Information Disclosure Statement is being filed:

 Within three (3) months of the filing date of the national application;
 Within three (3) months of the date of entry of the national stage as set forth in 37 C.F.R. §1.491 in an international application;
 Before the mailing date of a first Office Action on the merits;

	After the filing date or date of first Office Action, but before the mailing date of a final action under 37 C.F.R. §1.113, provided that this occurs prior to the issuance of a Notice of Allowance and provided that this I.D.S. is accompanied by either a certification as specified in 37 C.F.R. §1.97(e or the fee set forth in 37 C.F.R. §1.17(p);
	After the filing date or date of first Office Action, but before the mailing date of a Notice of Allowance under 37 C.F.R. §1.311, provided that this occurs prior to the final action and provided that this I.D.S. is accompanied by either a certification as specified in 37 C.F.R. §1.97(e) or the fee set forth in 37 C.F.R. §1.17(p);
	After the mailing date of a final action under 37 C.F.R. §1.113, provided that this occurs prior to the issuance of a Notice of Allowance and provided that this I.D.S. is accompanied by a certification as specified in 37 C.F.R. §1.97(e) and the fee set forth in 37 C.F.R. §1.17(p); and
 -	After the mailing date of a Notice of Allowance under 37 C.F.R. §1.311, provided that this occurs prior to or subsequent to the payment of the Issue Fee and provided that this I.D.S. is accompanied by a certification as specified in 37 C.F.R. §1.97(e) and the fee set forth in 37 C.F.R. §1.17(p).
	Filng with RCE Under 37 CFR 1.114.

The following references were either (1) cited by or (2) submitted to the Patent and Trademark Office in priority application Serial No. <u>09/845,549</u>, filed <u>April 30, 2001</u> Accordingly, copies of the following references have not been submitted herewith. (37 C.F.R. §1.98(d)).

It should be understood that attention has been called to the references that have been deemed to be pertinent to the claimed present invention. In concluding what was pertinent, the criteria employed was considered most appropriate in light of the invention shown in the present application. However, the Examiner or others may deem some other criteria to be just as appropriate or more appropriate. Therefore, the Examiner is respectfully urged to review the listed references and to make the usual careful independent search for other prior art that may be pertinent.

Respectfully submitted,

December 1, 2003

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FORM PTO-1	449	Docket Number (Optional) Application Number								
INFO	RMATION DISCLOS	LIDE CITA	TION	341.6910USQ Applicant						
INFO	IN AN APPLICA		TION	Pasqualoni et al.						
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EXAMINER INITIAL	DOCUMENT NUMBER	DATE		NAME	CLAS	s s	SUBCLASS		NG DATE IF PROPRIATE	
•	3,170,273	2/23/65	Walsh et al.							
	3,527,028	9/26/67	Donald R. C	swald						
•	4,050,954	9/27/77	Jagtar S. Ba	si						
	4,169,337	10/2/79	Charles C. F	ayne						
	4,304,575	12/8/81	Charles C. F	ayne						
	4,462,188	7/31/84	Charles C. F	ayne						
	5,139,571	8/18/92	Deal et al.							
	5,230,833	7/27/93	Romberger	et al.						
	5,246,624	9/21/93	Miller et al.							
	5,314,843	5/24/94	Yu et al.							
	5,340,370	8/23/94	Cadien et al							
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	Carpio et al., "Ini	tial Study	on Copper N	ACP Slurry Chemistir	res", Tl	hin Sc	olid Films,	, 1995.		
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	In Proceedings of the CMP-MIC conference "Development of a 1:1:1 Slurry for Tantalum Layer Polishing", February 1999.									
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INITIAL	DOCUMENT NUMBER	DATE		NAME	CLASS	SUBCLASS	APPROP	RIATE	
-	5,607,718	3/4/97	Sasaki et al.						
	5,656,097	8/12/97	Olesen et al	•					
•	5,695,384	12/9/97	Howard R.	Beraton					
	5,750,440	5/12/98	Vanell et al.						
	5,770,095	6/23/98	Sasaki et al.						
	5,908,509	6/1/99	Olesen et al						
	5,954,997	9/21/99	Kaufman et	al.					
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	5,996,595	12/7/99	Olesen et al	•					
	6,010,962	1/4/00	Liu et al.						
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	Research Society	Symposiu	um Proceedin	ıgs, 1996.					
_	Gutman et al., "C Thin Solid Films,		Mechanical F	Polishing with Oxide	and Pol	ymer Interleve	l Dielecti	rics",	
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	Langmuri, 1996.								
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	6,171,352	01-2001	Lee et al.		51		307		
	6,461,227	10-2002	Fang Mingn	ning	451		41		
•	6,325,705	12-2001	Burke et al.		451		288		
	6,063,306	05-2000	Kaufman et	al.	252		79.4		·
	6,136,711	10-2000	Grumbine e	t al.	438		692		
	2002/0032987	03-2002	Steckenride	et al.	51		309		
	2002/0003225	01-2002	Hampden-S	mith et al.	252		79.1		
	6,171,352	01-2001	Lee et al.		51		307		
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	6,325,705	12-2001	Burke et al.		451		288		
	6,036,306	05-2000	Kaufman et	al.	252		79.4		
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